

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of prophylaxis of a patient at risk for systemic inflammatory response syndrome and complications thereof, which comprises administering to said patient a therapeutically effective amount of a selective inhibitor of cyclooxygenase-2 having a ratio of IC<sub>50</sub> concentration (concentration inhibiting 50% of activity) for cyclooxygenase-1 to IC<sub>50</sub> concentration of cyclooxygenase-2 of greater than 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has sustained at least one of trauma, burn injury, life threatening blood loss from penetrating injury, or a patient who has undergone surgery.

2-14 (canceled)

15. (original) The method of claim 1 wherein the cyclooxygenase-2 inhibitor is at least one of NS-398, celicoxib, MK-0966, or paracoxib.

16-23 (canceled)

24. (withdrawn) The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has sustained trauma.

25. (withdrawn) The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has sustained life threatening blood loss from penetrating injury.

26. (withdrawn) The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has undergone surgery.

27. (withdrawn) The method according to claim 1, wherein the patient at risk for systemic inflammatory response syndrome and complications thereof is a patient who has undergone burn injury.